

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT APPLICATION TRANSMITTAL FORM  
(only for new nonprovisional applications under 37 CFR 1.53(b))

ASSISTANT COMMISSIONER FOR PATENTS

Washington, D.C. 20231

BOX: PATENT APPLICATION

SIR:

Transmitted herewith for filing is the patent application (including Specification, Claims, and Abstract, 90 pages) of:

Inventor(s): **Francis Barany, George Barany, Robert P. Hammer, Maria Kempe, Herman Blok, Monib Zirvi**

For : **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE  
LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS**

*\*\*If a CONTINUING APPLICATION, please mark where appropriate and supply the requisite information below and in a preliminary amendment:*

☐ Continuation ☒ Divisional ☐ Continuation-In-Part (CIP)  
of prior application Serial No. 08/794,851

Prior application information: Examiner : **P. Ponnaluri**  
Art Unit : 1627

Enclosed are:

- ☒ 34 sheets of formal drawings with submission document.
- ☐ Signed Combined Declaration and Power of Attorney (\_\_\_\_ pages).
- ☒ Copy of signed Combined Declaration and Power of Attorney (8 pages) from a prior application (1.63(d) (for continuation/divisional).
- ☐ Signed statement deleting inventor(s) named in prior application (\_\_\_\_ pages) (1.63(d)(2) and 1.33(b)).
- ☒ Incorporation By Reference: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied herewith, is considered as being part of the disclosure of the enclosed application and is hereby incorporated by reference therein.
- ☐ Assignment (\_\_\_\_ pages) of the invention to \_\_\_\_\_.
- ☐ Assignment Transmittal Letter.
- ☐ Certified copy of a foreign priority document.
- ☐ Associate power of attorney.
- ☐ Applicant claims small entity status. (See 37 CFR 1.27.)

- ☒ Preliminary Amendment (5 pages) with Appendix A (4 pages).
- ☒ Information Disclosure Statement, form PTO-1449 (8 pages) and 84 references (references not attached).
- ☐ **UNSIGNED** Combined Declaration and Power of Attorney (\_\_\_\_\_ pages).
- ☒ Paper copy of Sequence Listing (5 pages).
- ☒ Statement in Accordance with 37 CFR § 1.821(f) and computer readable 3.5" Diskette.
- ☒ A self-addressed, prepaid postcard acknowledging receipt.
- ☐ Other:


The Filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	SMALL ENTITY		<u>OR</u>	LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE		RATE	FEE
BASIC FEE	XXXXXXXX	XXXXXXXX	XXXX	\$355	<u>OR</u>	XXXX	\$710
TOTAL CLAIMS	31 - 20 =	11	x 9 =	\$	<u>OR</u>	x 18 =	\$198
INDEP CLAIMS	1 - 3 =	0	x 40 =	\$	<u>OR</u>	X80 =	\$
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			x 135 =	\$	<u>OR</u>	x 270 =	\$
*If the Total Claims are less than 20 and Indep. Claims are less than 3, enter "0" in Col. 2			TOTAL	\$	<u>OR</u>	TOTAL	\$908

- ☒ A check in the amount of **\$908.00** to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1138. **A duplicate copy of this sheet is enclosed.**
- ☒ Address all future communications to:

Michael L. Goldman  
NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603

Date: September 26, 2001

  
Georgia Evans  
Registration No. 44,597

NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603  
Telephone: (716) 263-1672  
Facsimile: (716) 263-1600

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 19603/3355 (CRF D-1595E)

APPLICANTS: Francis Barany, George Barany, Robert P. Hammer,  
Maria Kempe, Herman Blok, and Monib Zirvi

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS**

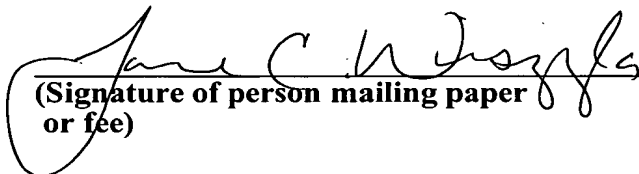
Certificate is attached to the **Utility Patent Application Transmittal Letter**  
(2 pages) of the above-named application.

EXPRESS MAIL NUMBER: EL710758046US

DATE OF DEPOSIT: September 26, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal  
Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date  
indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231,  
Box: Patent Application.

Jane C. Wirszyla  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
or fee)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Barany et al.	)	Examiner:
		)	To Be Assigned
Serial No. :	To Be Assigned	)	
		)	Art Unit:
Cnfrm. No. :	To Be Assigned	)	To Be Assigned
		)	
Filed :	Herewith	)	
		)	
For :	DETECTION OF NUCLEIC ACID SEQUENCE	)	
	DIFFERENCES USING THE LIGASE	)	
	DETECTION REACTION WITH	)	
	ADDRESSABLE ARRAYS	)	

SUBMISSION OF FORMAL DRAWINGS

Commissioner for Patents  
Washington, D.C. 20231  
**Box: Patent Application**

Dear Sir:

Enclosed for filing in the subject application are 34 sheets of formal drawings.

Respectfully submitted,

Date: September 26, 2001

Georgia Evans  
Georgia Evans  
Registration No. 44,597

NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603  
Telephone: (716) 263-1672  
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APPLICANTS: Francis Barany, George Barany, Robert P. Hammer,  
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TITLE: DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the Submission of Formal Drawings with 34 sheets of drawings of the above-named application.

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Jane C. Wirszyła  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
or fee)

**EXPRESS MAIL CERTIFICATE**

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DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the **Patent Application including specification, claims,  
and abstract (90 pages)**, as filed in the prior application of the above-named application.

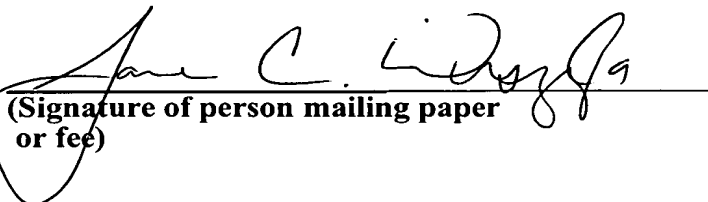
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Jane C. Wirszyła

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(Signature of person mailing paper  
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APPLICANTS: Francis Barany, George Barany, Robert P. Hammer,  
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TITLE: DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the copy of the **SIGNED Combined Declaration and Power of Attorney Form (8 pages)** as filed in the prior application of the above-named application.

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REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the **Preliminary Amendment (5 pages) with Appendix A (4 pages)** of the above-named application.

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